



February 21, 2019

To: Craig Samek, Pretreatment Coordinator [csamek@sioux-city.org](mailto:csamek@sioux-city.org)

Re: Notice of Violation(s), Permit #2016-31-I

Big Ox Energy (BOE) has been issued a Notice of Violation (NOV) for the following dates:

- 1.12.2019-1.13.2019 (TSS)
  - These violations (2-days) were due to mechanical issues with the GEM skimmer motor failure. Resulted in inefficient separation of solids in the GEM.
    - A new skimmer motor was put into operation.
- 1.15.2019 (TSS)
  - This violation was due to water pressure issues keeping the polymer skids operating efficiently. Resulted in inefficient separation of solids in the GEM.
- 1.17.2019 (TSS)
  - This violation was due to the polymer skid motor issues.
    - New polymer skids were put into operation
- 1.20.2019 (TSS)
  - This violation was due to water pressure issues keeping the polymer skids operating efficiently. Resulted in inefficient separation of solids in the GEM.
- 1.27.2019 (TSS)
  - This violation was due to issues with the polymer skid motor issues.
    - New polymer skids were put into operation
- 1.28.2019 (TSS)
  - System struggled with a limited amount of influent industrial flow for efficient GEM operation. The internal diverter valve was used as much as possible to aide in GEM separation of solids.
- 1.30.2019 (TSS)
  - Was due to high levels in digester 1 and high sludge production exceeding the plant capacity to move volume of sludge forcing the gem to back up this time frame was 60.000lbs so I assume this was short term timeframe as they moved liquid to balance out the plant.

BOE continues to work on the operation of the wastewater treatment system to ensure the cleanest water possible is discharging and if there is an issue immediate notification to the City is made if a process issue arises. If you need anything else from us additionally, please let me know.

Respectfully,

A handwritten signature in blue ink that reads "Devin McCann". The signature is fluid and cursive, with the first name "Devin" and last name "McCann" clearly distinguishable.

Cc: Bill Tyndall [btyndall@netleasecapital.com](mailto:btyndall@netleasecapital.com)  
Rob Ernest [rernest@bigoxenergy.com](mailto:rernest@bigoxenergy.com)  
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